

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	((cascade OR cascaded) WITH plasma) SAME3 (substrate WITH trench)	US-PGPUB; USPAT	ADJ	ON	2008/12/18 09:44
L3	39	((cascade OR cascaded) WITH plasma) SAME3 (PECVD OR (plasma enhanced chemical vapor deposition) OR (plasma enhanced chemical vapour deposition))	US-PGPUB; USPAT	ADJ	ON	2008/12/18 09:57
L4	1	((cascade OR cascaded) AND plasma AND (moving OR moved OR movably OR movable) AND (prechamber).clm.	US-PGPUB; USPAT	ADJ	ON	2008/12/18 10:29
L5	9	((cascade OR cascaded) AND plasma AND (moving OR moved OR movably OR movable) AND (chamber).clm.	US-PGPUB; USPAT	ADJ	ON	2008/12/18 10:29
S1	1	10/538652.app.	US-PGPUB; USPAT	ADJ	ON	2008/12/16 15:49
S2	1	("4948485").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/16 15:57
S3	37	cascade WITH plasma WITH source	US-PGPUB; USPAT	ADJ	ON	2008/12/16 15:58
S4	6	("4223048"   "4664747"   "5534445"   "5871591"   "6091021").PN. OR ("6946404").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/16 16:03

S5	15	("20030099784"   "20030121887"   "20040040833"   "4780591"   "5204145"   "6093903"   "6110544"   "6261694"   "6267074"   "6376064"   "6397776"   "6420032"   "6426125"   "6517687"   "6681716").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/16 16:17
S6	15	("20010022295"   "20020050323"   "20030049468"   "20030072881"   "20030075373"   "20040040833"   "20040188019"   "4871580"   "5733662"   "5846330"   "6110544"   "6213049"   "6365016"   "6397776"   "6426125").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/16 16:32
S7	2	((("4957062") or ("4656331"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/16 16:43
S8	1523	(cascade OR cascade) WITH plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/16 16:45
S9	6	S8 and ((movable OR adjustable OR rotating) WITH cathode)	US-PGPUB; USPAT	ADJ	ON	2008/12/16 16:45
S10	5	S8 and ((movable OR adjustable OR rotating) WITH (plasma NEAR source))	US-PGPUB; USPAT	ADJ	ON	2008/12/16 16:46
S11	0	S8 and ((movable WITH (plasma NEAR source)) SAME substrate)	US-PGPUB; USPAT	ADJ	ON	2008/12/16 16:48
S12	2	S8 and ((movable WITH (plasma NEAR source)) SAME2 substrate)	US-PGPUB; USPAT	ADJ	ON	2008/12/16 16:48
S13	31	((movable WITH (plasma NEAR source)) SAME2 substrate)	US-PGPUB; USPAT	ADJ	ON	2008/12/16 16:48

S14	6	("20030049468"   "3735727"   "5120568"   "5403399"   "6344416"   "6490994").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/16 17:12
S15	132	(rotating OR rotatable) WITH ((reactant OR treatment OR precursor) near2 (fluid OR gas)) AND plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/16 17:23
S16	62	(rotating OR rotatable) near5 ((reactant OR treatment OR precursor) near2 (fluid OR gas)) AND plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/16 17:24
S17	6	(rotating OR rotatable OR movable) near5 ((reactant OR treatment OR precursor) near4 inlet) AND plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/16 17:26
S18	46	(rotating OR rotatable OR movable) near5 ((reactant OR treatment OR precursor) near4 inlet)	US-PGPUB; USPAT	ADJ	ON	2008/12/16 17:27
S20	1559	(cascade OR cascaded) WITH plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/16 17:55
S21	28	("4871580").URPN.	USPAT	ADJ	ON	2008/12/16 17:57
S22	22	("20020029747"   "20020029850"   "20030097988"   "20030111963"   "4828369"   "4853250"   "4871580"   "4879011"   "4957062"   "5120568"   "5681393"   "5690781"   "6153852"   "6211622"   "6231725"   "6338313"   "6379576"   "6397776"   "6420032"   "6426125"   "6517687").PN. OR ("6969953").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/16 17:58

S23	89	(cascade OR cascaded) WITH plasma SAME pressure	US-PGPUB; USPAT	ADJ	ON	2008/12/16 18:03
S24	1	(cascade OR cascaded) WITH plasma SAME prechamber	US-PGPUB; USPAT	ADJ	ON	2008/12/16 18:10
S25	78	(cascade OR cascaded) WITH plasma SAME chamber	US-PGPUB; USPAT	ADJ	ON	2008/12/16 18:10
S26	6	("4871580"   "4948485"   "4957062"   "5120568"   "5176938"   "5278384").PN.	US-PGPUB; USPAT	ADJ	ON	2008/12/16 18:12
S27	2	((("6432494") or ("6110544"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/16 18:13
S28	1	("6213049").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/16 18:15
S29	22	("3892882"   "4871580"   "4882465"   "4948485"   "4957062"   "5120568"   "5278384"   "5356674"   "5358596"   "5406046"   "5853815").PN. OR ("6213049").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/16 18:17
S30	7	(cascade OR cascaded) WITH plasma SAME (high near pressure)	US-PGPUB; USPAT	ADJ	ON	2008/12/16 18:22
S31	21	(cascade OR cascaded) WITH plasma SAME (high WITH pressure)	US-PGPUB; USPAT	ADJ	ON	2008/12/16 18:23
S32	2	((("4948485") or ("4957062"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/16 18:24
S33	28	("4871580").URPN.	USPAT	ADJ	ON	2008/12/16 18:36

S34	3994	(rotating OR rotatable OR pivotal OR swiveling OR spining OR rolling) WITH plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/17 10:47
S35	152	(rotating OR rotatable OR pivotal OR swiveling OR spining OR rolling) WITH plasma near2 source	US-PGPUB; USPAT	ADJ	ON	2008/12/17 10:47
S36	1054	(rotating OR rotatable OR pivotal OR swiveling OR spining OR rolling) near3 plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/17 10:50
S37	30	(rotating OR rotatable OR pivotal OR swiveling OR spining OR rolling) near3 plasma near2 source	US-PGPUB; USPAT	ADJ	ON	2008/12/17 10:50
S38	3613	(rotating OR rotatable OR pivotal OR swiveling) WITH plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/17 10:54
S39	26	(rotating OR rotatable OR pivotal OR swiveling) near3 (plasma source)	US-PGPUB; USPAT	ADJ	ON	2008/12/17 10:54
S40	715	(rotating OR rotatable OR pivotal OR swiveling) near2 plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/17 10:55
S41	0	pivotal near2 plasma gun	US-PGPUB; USPAT	ADJ	ON	2008/12/17 11:09
S42	12	pivotal near2 plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/17 11:10
S46	21	(pivotal OR pivoting) near2 plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/17 11:11
S47	1	("6490994").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/17 11:14
S48	2	("6029602").PN. OR ("6490994").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/17 11:14

S49	1	figure WITH eight WITH spray gun.ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/17 11:17
S50	1	("3632952").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/17 11:18
S51	1	("6490994").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/17 12:00
S53	0	(rotating OR rotational OR rotatable OR pivotal OR pivoting OR swivel OR swiveling) near2 ((cascade OR cascaded) WITH plasma)	US-PGPUB; USPAT	ADJ	ON	2008/12/17 13:54
S54	13	(rotating OR rotational OR rotatable OR pivotal OR pivoting OR swivel OR swiveling) WITH ((cascade OR cascaded) WITH plasma)	US-PGPUB; USPAT	ADJ	ON	2008/12/17 13:54
S55	8	(rotating OR rotational OR rotatable OR pivotal OR pivoting OR swivel OR swiveling) WITH ((cascade OR cascaded) near4 plasma)	US-PGPUB; USPAT	ADJ	ON	2008/12/17 13:55
S56	9	(rotating OR rotational OR rotatable OR pivotal OR pivoting OR swivel OR swiveling) SAME ((cascade OR cascaded) near4 plasma)	US-PGPUB; USPAT	ADJ	ON	2008/12/17 13:55
S57	169	(rotating OR rotational OR rotatable OR pivotal OR pivoting OR swivel OR swiveling) SAME (plasma near4 gun)	US-PGPUB; USPAT	ADJ	ON	2008/12/17 13:56
S58	78	(cascade OR cascaded) WITH plasma SAME chamber	US-PGPUB; USPAT	ADJ	ON	2008/12/17 14:12

S59	1	("5403399").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/17 14:22
S60	14	cascade WITH plasma WITH (torch OR spray)	US-PGPUB; USPAT	ADJ	ON	2008/12/17 14:35
S61	1	("4948485").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/12/17 14:58
S62	2	cascade WITH plasma WITH CVD	US-PGPUB; USPAT	ADJ	ON	2008/12/17 15:00
S63	3	cascade WITH plasma WITH torch AND cvd	US-PGPUB; USPAT	ADJ	ON	2008/12/17 15:00
S64	15	cascade near3 generator SAME plasma	US-PGPUB; USPAT	ADJ	ON	2008/12/17 15:12
S65	14	((cascade OR cascaded) near4 (plasma OR generator)) SAME2 (plasma near enhanced near (chemical (vapor OR vapour) deposition)) AND (substrate with (hole OR cavity))	US-PGPUB; USPAT	ADJ	ON	2008/12/17 18:32
S66	3	(cascade OR cascaded) WITH plasma SAME2 (substrate WITH cavity)	US-PGPUB; USPAT	ADJ	ON	2008/12/17 18:41
S67	24	(cascade OR cascaded) WITH plasma SAME2 (plasma near enhanced near (chemical vapor deposition))	US-PGPUB; USPAT	ADJ	ON	2008/12/17 18:53

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